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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 5394 (1969): Prostheses, Hip [MHD 2: Orthopaedic Instruments, Implants and Accessories]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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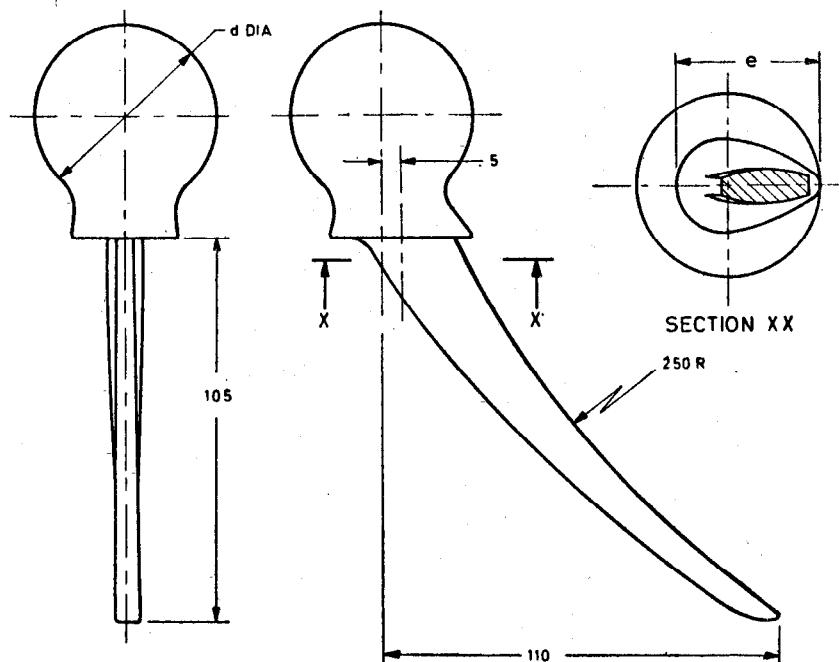
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Indian Standard
**SPECIFICATION FOR
PROSTHESES, HIP**

1. Scope — Dimensions and requirements for Thompson and Austin Moore type hip prostheses. The weights of prostheses are not covered in this specification since they vary considerably due to different materials and various sizes.

2. Shape and Dimensions — As shown in Fig. 1 and 2.



e	37 30	40 32	43 34	46 37	49 40	52 43	55 46
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All dimensions in millimetres.

FIG. 1 PROSTHESES, HIP, THOMPSON TYPE

3. Material — Shall be according to 3 of IS : 5347-1969*.

4. Workmanship and Finish — Each hip prosthesis shall be uniform in shape and shall be symmetrical on its vertical central plane. The prostheses shall be free from cracks, draw marks, pits, burrs, surface contaminations and impregnated foreign particles. The prostheses shall be passivated and polished bright to give a mirror or satin finish.

5. Corrosion Resistance Test — Shall be according to 6.1 of IS : 5347-1969*.

6. Radiological Test — Shall be according to 6.2 of IS : 5347-1969*.

7. Marking — Each prosthesis shall be clearly and indelibly marked at a place of nominal stress by either an electric spark or by electrolytic-etching with the following:

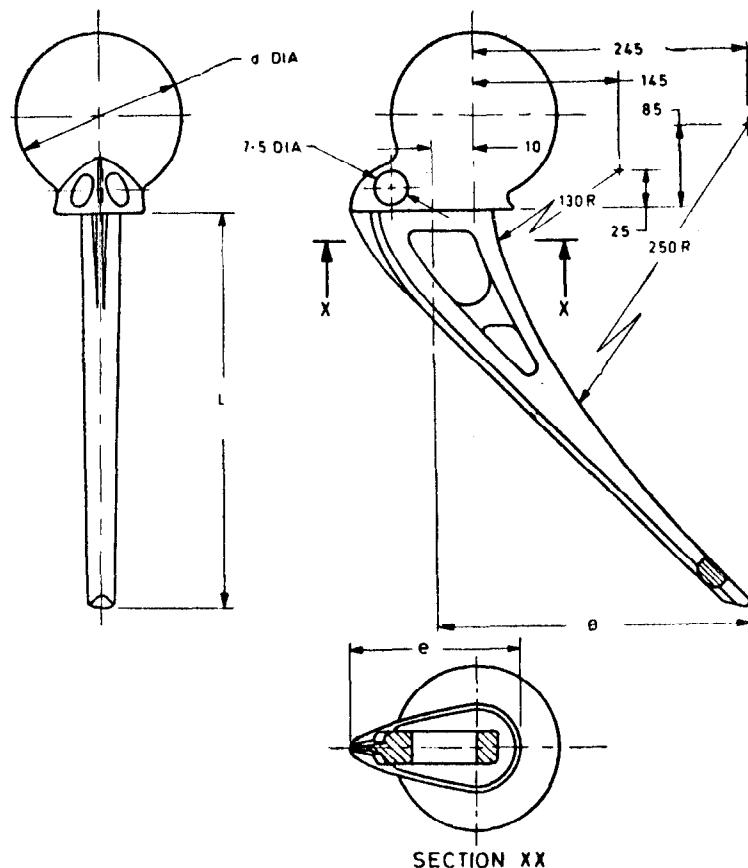
a) The name or trade-mark of the manufacturer;

*General requirements of metal surgical implants.

b) Designation of the material, 'SMo' for stainless steel, 'C CoCr' for cast cobalt chromium alloy, 'W CoCr' for wrought cobalt chromium alloy, and 'WTI' for wrought titanium; and
 c) The size of the prosthesis.

7.1 *ISI Certification Marking* — Details available from the Indian Standards Institution.

8. **Packing** — Shall be as agreed to between the purchaser and the supplier.



<i>L</i>	110	125	140
<i>B</i>	85	95	105
<i>d</i>	37 & 40	43, 46 & 49	52 & 55
<i>e</i>	42 & 45	48, 51 & 54	57 & 60

All dimensions in millimetres.

FIG. 2 PROSTHESIS, HIP, AUSTIN MOORE TYPE